

USSN 09/803,044

Art Unit 1641

**Amendments to the specification**

Please amend the paragraph commencing at line 3, page 5 as follows:

b1 --The modified silicon in accordance with the invention can include molecular recognition sites. Such sites are described in co-pending US application serial no. 09/713,000 entitled "Functionalized silicon surfaces and their method for production" R. Boukherroub, J.C. Wojtyk and D.D.M. Wayner, filed November 20, 2000. This application describes only the method to include molecular recognition sites) at the end of the passivating molecule which would alter the electronic and/or photonic properties of the porous silicon. This has the potential to lead to revolutionary devices for genomics and proteomics applications. Genomics involves the parallel analysis of complex mixtures of DNA. Proteomics involves the parallel analysis of complex mixtures of proteins. --